

PACIFIC PACKET RADIO SOCIETY NEWSLETTER
December 1987

PPRS MEETING ANNOUNCEMENT.....The December meeting is our annual "hardware night" with demos of many operational packet stations. Everyone is invited to bring his/her gear and set it up at the meeting (don't forget extension cords, power strips, antennas, etc.). We will have TNC2 and TNC1 clones, TCP/IP, Atari PC and/or ST, Pacomm PC100 plug-in TNC with IBM XT, and more. In addition, this year we will also feature a software and EPROM swap. EPROMS will be available at cost (or bring your own blanks, MAYBE we can burn them there) with the following firmware: TNC2 KISS plus DEDware, TNC2 KISS plus TAPR 1.1.4, TNC1 DEDware, TNC1 KISS. Bring your blank formatted IBM disks (or purchase at the meeting) for copies of packet software: latest TCP/IP, Procomm 2.4.2, YAPP, PACCOMM and Pak-et-Term (for Atari), PTP (for IBM), FINDER, SNOOP (great monitoring program from N6KL), STATS (N6K's network monitor and evaluator), WA7MBL and WORLI BBS. This will be a hardware and software extravaganza to end the year. Come to the meeting and get a chance to operate a new computer or TNC and pickup new programs to enhance your packet station. As usual, PPRS meets the first Tuesday of the month (Dec 1) at 7:30 pm at the Ampex cafeteria, 411 Broadway, Redwood City.

BBS SYSOP MEETING TO BE HELD DECEMBER 5 IN PALO ALTO.....The next SYSOP meeting will be at the PA Red Cross on Saturday, Dec 5, starting at 10 am. Judging by all the proposals and comments aired via NCNET, this promises to be a blockbuster of a session. WORLI, WB9LQZ and WD6CMU have proposed new topologies for the northern California network of interlinked BBS, and the boards have been jammed with counter-proposals, reminders of old promises (kept and unkept), and not a little bit of finger pointing. Some ops think that a new grand scheme of digis, NET/ROM nodes and BBS can be worked out at this meeting. Others call for a more limited agenda to organize the sysops and to formally establish a PRCC (Packet Radio Coordinating Council). Almost all of the comments have come from the BBS sysops themselves with very little input from the BBS users. If you have an opinion about BBS forwarding, user access, keyboard vs BBS channels, backbones, or other related topics, lets talk it up at the December 1st PPRS meeting. If we can reach some consensus, I will try to represent your interests at the sysop meeting. Keeping in mind the tremendous rate of growth and change in packet radio today, I am sure any decisions made now will only be relevant for a few months. The network must continue to evolve, and no plan will be appropriate forever. In my opinion, the inner workings of the network and BBS forwarding should be almost INVISIBLE to the average user. I would like to see the following items endorsed by the BBS sysops: 1. Reaffirmation of the "home BBS" concept (some guys still visit every BBS in sight); 2. Agreement that BBS user access and forwarding must be done on different channels; 3. No overlapping coverage by two BBS inputs on the same frequency (N6IIU-1 and NV6Z are a prime example of this); 4. No forwarding during "prime time" (to allow reasonable user access); 5. Reaffirmation of old agreements such as a no-BBS policy on 144.91, 145.01/03/05; 6. No keyboard QSOs on top of a BBS (go to a keyboard-only channel for that); 7. Anti-beacon policy (minimize beacons from users, BBS, NET/ROM nodes and digipeaters); 6. Establishment of a long range plan to coordinate network growth through the PRCC; 7. Adoption of an interim plan for BBS forwarding on 223.58 and 220.90 MHz. These are pretty tame goals compared to the creation of an entirely new network, but how much can be accomplished in one day?.....de AJ6T

SIMPLIFIED GUIDE TO GETTING STARTED ON TCP/IP
by AJ6T

Here is an abbreviated guide to getting TCP/IP working on your TNC and computer. This brief introduction is not a replacement for the lengthy instructions that come with the KA9Q package, but it may help make the transition easier. These instructions apply to version 870829.0 (KE3Z hack:B1), but differences with newer issues should be small.

STEP 1. Get an IP address issued to your station from your local IP coordinator (Andy, N6JLJ, is the northern California IP address coordinator).

STEP 2. Obtain the latest version of the TCP/IP distribution disks. Disks will be available at the December PPRS meeting, or send \$2.00 and a disk mailer to NOCCZ, or download from the N3EUA telephone BBS.

STEP 3. Unarchive the files using PKXARC. Warning....expand each ARC file onto a separate disk or directory to avoid overwriting files with the same name. PKXARC will generate source code files, executable files (NET.EXE and BM.EXE), EPROM hex files and documentation files.

STEP 4. Read as much of the documentation as you can digest.

STEP 5. Convert your TNC to KISS operation. Most TNCs require a new EPROM. Some AEA and Kantronics TNCs already have the KISS code in their firmware. Burn your own EPROM or obtain a copy from a friend. Various types of EPROMS will be available at the December PPRS meeting. TNC2 KISS comes in two basic flavors: dedicated firmware (runs KISS only) or "downloadable" firmware which runs both straight AX25 and KISS (the KISS code is downloaded from your computer into the TNCs RAM, or type H to run vanilla AX25).

STEP 6. Prepare your IBM PC hard or floppy disk by creating an appropriate directory structure, and copying several files into the correct places. Start by making these new directories in the default drive: \SPOOL\MAIL and \SPOOL\MQUEUE. Copy the file SEQUENCESEQ to the \SPOOL\MQUEUE directory.

Copy the TCP/IP program itself, NET.EXE, into the root directory of the default drive. Copy the mailer program, BM.EXE, onto the default drive. Copy BM.RC, HOSTS.NET, AUTOEXEC.NET AND FTPUSERS to the root directory. Then customize these files for your own use. BM.RC is the mailer setup file in which you specify your host and user names (I use host aj6t.norcal.ampr.net and user walt). HOSTS.NET is where you specify all the IP addresses and host names of the stations you want to reach via TCP/IP (AI8A and N6JLJ have current lists of active stations in northern California). AUTOEXEC.NET is a special setup file for the KISS TNC in which you specify your callsign (mycall aj6t-0), which COM port is connected to the TNC (attach asy 0x2f8 3 ax25 ax0 4096 256 1200), which stations require digipeaters to reach them (arp add k6rtv ax25 k6rtv wa6ocz-2), the maximum length of your packets (mss 216), the name of your host (hostname aj6t.norcal.ampr.net), your IP address (ipaddr [44.4.0.99]), where to save your log (log \spool\net.log), which services to run (start telnet, start ftp), and several other parameters. The FTPUSERS file establishes who may log on via FTP, what password is required, and which subdirectories may be accessed (careful-you don't want to let everybody see your DIARY subdirectory). For example, anonymous * \ 3 is the setup for anyone to log on with name anonymous, any password (typically your call is used), full subdirectory access and read/create (but not overwrite) privileges.

STEP 7. Finally, start the TCP/IP program by typing NET at the DOS prompt. Once inside the program, the command line prompt will be "net>" and you are ready to have a keyboard-to-keyboard QSO (telnet w6xyz), or initiate a file transfer session (ftp w6xyz). Exit from NET.EXE and run BM to read and create mail which will be forwarded automatically from your station to the target callsign. Have fun....see you on 144.91 MHz.

PACIFIC PACKET RADIO SOCIETY MEMBERSHIP ROSTER AS OF DECEMBER 1987

Don Ward, 1170 Foster City Blvd #106, Foster City, CA 94404
 Arthur Nelson, 1549 Alturas Drive, Burlingame, CA 94010
 Craig Todd, 304 Durant Way, Mill Valley, CA 94941
 AI8A Jim Tittsler, 135 Riviera Drive #342, Los Gatos, CA 95030
 AJ6T Walter E Miller, 724 Elm St., San Jose, CA 95126
 KEHSV Philip G. Marquis, 543 Bayview Ave, Millbrae, CA 94030
 K6QJM Brian Westfall, 1771 Fordham Way, Mountain View, CA 94040
 K6QIF Keith Cranall, 3616 Downey Way, Sacramento, CA 95817
 KBUR E. McLean, 563 Verona Ave, Danville, CA 94526
 KA6D Earl Wulff, 3880 Oro St., Redding, CA 96001
 KASKYU Kurt Feiler, 2763 Marlborough Ave, Redwood City, CA 94061
 KA6M Henry S Magnuski, 2019 Barbara Drive, Palo Alto, CA 94303-3444
 KA6NEO John W. Phegley, 1905 13th St., Eureka, CA 95501
 KA6SPN Ty Swanson, 1271 Dewey ST, Redwood City, CA 94061
 KA6TGE Don DeGroot, 937 Perreira Dr., Santa Clara, CA 95051
 KAGYRK Jim Dethlefson, 1431 Bryan Ave., San Jose, CA 95118
 KB6AKC Stanley E. Thompson, 12061 Saraglen Drive, Saratoga, CA 95070
 KB6BA Oliver Barrett, 1111 Pecos Way, Sunnyvale, CA 94086
 KB6FED Brad Eacker, 1857 Kehoe Ave, San Mateo, CA 94401
 KB6FVA David Harris, PO Box 2793, Redwood City, CA 94064-2793
 KB6IKM Fred Haney, 3701 Brunswick Ct., So. San Francisco, CA 94080
 KB6JDB Warren Benson, 1781 Peacock, Mountain View, CA 94043
 KB6JOS Billy Lyle, 22294 City Center Dr. #5309, Hayward, CA 94541
 KB6LBF Margaret A Emrey, PO Box 371150, Mantara, CA 94037
 KB6NCL Jeffrey Popjoy, 1218 Asbury Ct, San Leandro, CA 94579
 KB6NN Howard Lang, 3124 H Street, Eureka, CA 95501
 KB6OQS Winston Adcock, 4444 Lazy Lane, San Jose, CA
 KB6OWN Robert Bowles, 1020 Capuchino Ave #3, Burlingame, CA 94010
 KB6ZV Rob Stafford, 5155 Shadow Estates, San Jose, CA 95135
 KB9LQQ Jim McKee, 80 Fairmount Drive, Daly City, CA 94015
 KB9XU Steve Kallal, 2210 Rock St. #11, Mountain View, CA 94043
 KE6AD Patrick M. Kelly, 424 South Place, Redwood City, CA 94062
 KE6LF Pete Spruance, 2241 Burns Drive, Eureka, CA 95501
 KE6LL George F Falotico, 4639 Houndshaven Way, Sunnyvale, CA 95111
 KE6KV W.C. Beedle, 1832 Villarita, Campbell, CA 95008
 KE6OO Karl J Rudkosky, 15925 Via Granada, San Lorenzo, CA 94580
 KB6AF Bob Perlman, 2333 Stratford Drive, San Jose, CA 95124
 KG6HI Jerry Thallis, 10400 Lindsay Ave., Cupertino, CA 95014
 KG6YJ Tom Kreyche, 18880 Tilson Ave., Cupertino, CA 95014
 KI6AP Mike Youngberg, 181 Merced Drive, San Bruno, CA 94066-2519
 NG6QRR Bill Danielson, 2728 Katrina Way, Mtn. View, CA 94040
 NG6HMD Randy Miltier, 1068 Fairview Ave., San Jose, CA 95125
 NG6HNY James Keck, 1174 Bubb Road, Cupertino, CA 95014
 NG6IA Stephen Stuart, PO BOX 61256, Sunnyvale, CA 94088
 NG6IIU Ted Harris, PO Box 2684, Redwood City, CA 94064
 NG6IIW Richard Fish, 173 Wadi Run, Hercules, CA 94547
 NG6ITW Craig W. Smith, PO Box 4105, Menlo Park, CA 94025
 NG6IYJ Peter Midnight, 452 Violet St, San Leandro, CA 94578
 NG6KL David W Palmer, 3820 Union Ave, Campbell, CA 95008
 NG6LM Leland Robinson, PO Box 270, Magalia, CA 95954
 N6LAW Chuck Hogate, 6241 Hopi Circle, San Jose, CA 95123
 NG6MF Michael M. Van Damme, 1106 Weepinggate Lane, San Jose, CA 95136
 NG6NW David L Noble, 18240 Daves Ave, Monto Sereno, CA 95030
 NG6NR Norm Bacassi, 1349 Sydney Drive, Sunnyvale, CA 94087
 NG6NR Gordon Sagert, 2770 Neuhall St. #24, Santa Clara, CA 95050
 NG6XX Geoff Avery, 830 Corbett 304, San Francisco, CA 94131
 N7EQN Larry Adkins, 1309 Marshall #407, Redwood City, CA 94063
 N7FSP Scott Cronk, 2292 Lucretia Ave 2, San Jose, CA 95122
 NI6A Donald Simon, 2327 Alva Ave, El Cerrito, CA 94530
 VE3FZK Andrew J. Korsak, 504 Lakemead Way, Redwood City, CA 94062
 VE7CYD John Dades, 206 Lakeview Way, Redwood City, CA 94062
 W6BME Roscoe E. Peithman, 2704 Sunny Grove Ave, McKinleyville, CA 95536
 W6CUB David Bradley, PO Box 23922, San Jose, CA 95153
 W6EZA John F. Benn, 17241 San Francisan Drive, Castro Valley, CA 94546
 W6FAK Vince Self, 2488 Crestline Road, Pleasanton, CA 94566
 W6JHJ Robert R Reiling, 193 Thompson Square, Mountain View, CA 94043
 W6JHU David McGuire, 5943 Tompkins Drive, San Jose, CA 95129
 W6KYF Gary B. Fariss, 18983 Saratoga Glen Place, Saratoga, CA 95070
 W6MMS Craig V Hodson, PO Box 376, Ventura, CA 93002
 W6NJR Frank Nemec, Jr., 16800 Bohlman Road, Saratoga, CA 95070
 W6UAK Lorin K Brown, 194 Ober Drive, San Jose, CA 95136
 W7EJY Del Oliver, PO Box 97, Brookings, Oregon, 97415
 WA0YQM Larry Eker, 33066 Marsh Hawk Road, Union City, CA 94587
 WA2UNP Mal Raff, 2735 Ellsworth, Berkeley, CA 94704
 WA6BZP Frank Vervoort, 1621 Detroit Ave Apt 21, Concord, CA 94520
 WA6FSP Bill Weaver, 577 South Taaffe St, Sunnyvale, CA 94086
 WA6PWT Ronald Jones, 400 W Rincon #136, Campbell, CA 95008
 WA6UHA David Billeci, 211 Molino Dr., San Francisco, CA 94127
 WA6VZZ Millard Edgerton, 49 Showers Drive C-458, Mtn View, CA 94040
 WA6WEB M. J. Ausloos, 5522 Big Oak Drive, San Jose, CA 95129
 WA7RAII Fred Schader, 352 Greenpark Way, San Jose, CA 95136
 WA7SHI Gary Oliver, PO Box 826, Corvallis, Oregon, 97339-0826
 WB6ASR Greg Campbell, 1085 Windsor St., San Jose, CA 95129
 WB6EMD Alan F. C. Lim, 1152 Banyan Way, Pacifica, CA 94044
 WB6BPU Lou James, 700 E. Peckham Lane #249, Reno, Nevada, 89502
 WB6CBW Phillip P. Pflager, 22380 Palm Ave, Cupertino, CA 95014
 WB6GFJ Ross W. Forbes, PO Box 1, Los Altos, CA 94023-0001
 WB6KHP David W. Schultheis, PO Box 6592, San Jose, CA 95150
 WB6PET Norman R. Thorn, 550 E. Arbor Ave., Sunnyvale, CA 94086
 WB6POJ Steve Clark, 7694 Arbor Creek, Dublin, CA 94568
 WB6QVU Kitchell Brown, 151 Saturn St., San Francisco, CA 94114
 WB6RAL George Flammer, 5143 Shady Ave, San Jose, CA 95129
 WB6SFC Doug Lykken, 862 Gallatin Drive #4, Santa Clara, CA 95051
 WB6LDZ Larry Kenney, 4145 21st Street, San Francisco, CA 94114
 WD6CMU Eric Williams, 5860 Clinton Ave., Richmond, CA 94805
 WD6DBT Roger A. Fraser, 3401 E. Bayshore Rd. #63, Redwood City, CA 94063
 WG6Y Ross Walker, PO Box 22, Lakeport, CA 95453
 WN6I W.E. Moerner, 1003 Belder Dr, San Jose, Ca, 95120
 WY6G Herbert Vanderbeek, 630 Ashton Ave, Palo Alto, CA 94306

Outgoing 1987 PPRS officers:

AJ6T-President
N6KL-Vice President
WB6ASR-Secretary
WA6FSP-Treasurer
WB6RAL-Frequency Coordinator

PPRS and 1988..... Nominations for next year's PPRS Board of Directors have been open for several months, but there has been no response from the membership. No one has stepped forward to volunteer as president, and my jawboning and arm twisting has been fruitless also. On the bright side, Bill, WA6FSP, has agreed to stay on as PPRS treasurer. After some heavy coaxing, Dave, N6KL, has agreed to remain as vice president and meeting speaker coordinator. We still need a president to run the meetings and be the focal point for PPRS activity. We desperately need a newsletter editor(s). If you are willing to support the local packet user community in either of these capacities, please step forward at the December PPRS meeting. Being president for the past two years has been fun (mostly!), but it is time for me to move on to other activities. I will arrange for continued access to the Ampex cafeteria for PPRS meetings. Let's not let the PPRS devolve into an aimless users group..... sk de AJ6T

Pacific Packet Radio Society
P.O. Box 51562
Palo Alto, Ca. 94303

